

Energy Meter

with Modbus Connection SE-WND-3Y400-MB-K2



Energy Meter with Modbus Connection for SolarEdge Installations

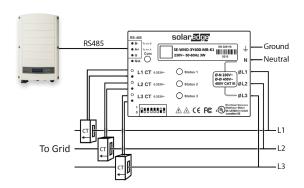
- High accuracy meter readings for production/consumption monitoring
- Import/Export meter readings for export limitation functionality
- Small and easy to install fits in standard electrical panel
- Supports residential, commercial and utility-size installations
- Support RS485 120Ω line termination



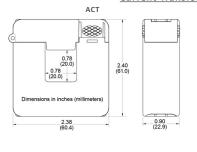
When ordering a meter, order current transformers as well:

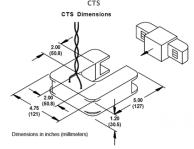
CURRENT TRANSFORMER MODELS(*)	RATED RMS CURRENT	DIMENSIONS (INTERNAL / EXTERNAL)
SE-CTML-0350-070	70 A	9 x 8.9 mm / 42.4 x 30.5 mm
SE-ACT-0750-50	50 A	
SE-ACT-0750-100	100 A	20 x 20 mm / 61 x 60.4 mm
SE-ACT-0750-250	250 A	
SE-CTS-2000-1000	1000 A	50.8 x 50.8 mm / 121 x 127 mm

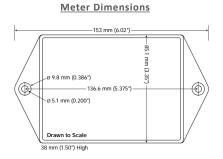
^{*} One current transformer per phase; for other ratings contact SolarEdge



Current Transformer Dimensions







	SE-WND-3Y400-MB-K2	UNITS	
ELECTRICAL SERVICE			
Operating Voltage Range - Line to Neutral / Line to Line	184-264.5 / 320-460		
AC Frequency	50/60		
Grids Supported - Single Phase; Three Phase(1)	L / N / PE ; L1 / L 2 / L3 / N / PE		
Power Consumption (typ.)	1.8		
COMMUNICATION			
Supported Communication Interfaces	RS485		
Response time	≤1 ⁽²⁾		
Default Device ID (Modbus)	2		
RS485 line termination	120	Ω	
ACCURACY (@25°C, PF: 1) ⁽³⁾			
1% - 100% of Rated CT Current	±1.0	%	
STANDARD COMPLIANCE			
Safety	IEC 61010-1, CAN/CSA-C22.2 No. 61010-1-04, IEC 61010-1:2010 (3rd Edition)		
Immunity	EN 61326, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4,		
Emissions	EN 61000-4-5, EN 61000-4-6, EN 61000-4-11 FCC Part 15: Class B, CISPR11: 2009: Class B		
Export Limiting Schemes	Engineering Recommendation G100. Issue 1 Amendment 1 2017 by ENA London UK		
INSTALLATION SPECIFICATIONS	Engineering recommendation 6150. ISSUE 17 international 12017 by Environment	I	
Dimensions (HxWxD)	85 x 153 × 38	mm	
Weight	310		
Enclosure type	High impact, ABS and/or ABS/PC plastic UL 94V-0, IEC FV-0		
Operating Temperature Range	-40 to 75	°C	
Relative Humidity (noncondensing)	5 - 90	%	
Protection Rating	Indoor (Outdoor when installed in an outdoor enclosure)		
Mounting Type	DIN Rail / Wall mount	ļ	

 $^{^{\}mbox{\scriptsize (1)}}$ PE (Protective Earth) connection is not required for meter operation



⁽²⁾ When meter is connected at grid connection point, and when RS485 is used for multiple inverters

⁽³⁾ Using SE-ACTL-0750 CT models